BRUHATH BENGALURU MAHANAGARA PALIKE

DASARAHALLI DIVISION

Comparative Statement

NAME OF WORK: Construction of Anganavadi Building at Govt Higher Primary School Premises Bhuvaneshwari Nagara & Re-construction & Improvements of Roads and CC Drain at 7th Main, 11th Cross Surrounding 11th A Cross Road Bhuvaneshwari Nagara & 3rd, 5th, 7th Main road of MEI Layout New Extn Main road & cross roads in Ward no 14 Dasarahalli Sub-Division Package No D/2017-18-(1) (4Works)

Agreement Cost :1,12,08,607.00 Lakhs

Agreement No : EE/DD/W.O/134/2020-21 Dated: 20-11-2020

Name of Agency : M/S. M.S.V. Construction Company

Tender Sl No.	Description	Unit	As per Sanctioned Estimate			As per Agreement			As per Actual execution upto 100%			Upto 125%		Beyond 125%		As per Actual execution		Excess	
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount	Qty	Amount
1	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 machine, concrete laid in layers not exceeding 15cms thick, vibrated for all works in ground floor level for roof slabs, staircase,lintels and beam retaining walls, return walls, walls(any thickness) including attached pilasters, columns,unties,pillars,posts,struts,buttresses, string or lacing courses,parepates,coping, bed blocks, anchore blocks, plain window, vrills, fihets, etc., including cost of all materials, labour, HOM of machinery, curing, complete but exculding cost of reinforcement as per specification	Cum	56.57	6876.36	388995.69	56.57	6298.47	356304.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	KSRB 4.2.10: Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.845cum, with superplastisiser @ 0.225 lts, machine mixed, well compacted for plain **chajja of 7.5 cms average thickness,** upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No.KBS 4.1.4.6 (P.No.16, I.No.4.19 of PW, P&IWTD SR 2018-19)	Sqm	6.72	492.48	3309.47	6.72	489.72	3290.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Provding and laying in Plain Cement Concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.53cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills, including cost of all materials labour HOM of machinery curing complete as per specification	Cum	0.22	5876.28	1292.78	0.22	5879.98	1293.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular/polygon in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2(PWD BCSR -2018-19, Page No-7,Item No-2.15)	Sqm	148.78	395.28	58809.76	148.78	507.53	75510.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	KSRB 4-6.3 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **flat surface** such as **suspended floors, roofs, landings, balconies and likes, thickness** above 200 mm including cost of all materials, labour complete as per Specification. up to 3.50m from Ground level Specification No. KBS 4.6.2(P.No.16, I.No 4.30 of PW, P&IWTD SR 2018-19)	Sqm	179	338.04	60509.16	179.00	445.20	79690.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(P.No.17, I.No.4.36 of PW, P&IWTDSR 2018-19)	Sqm	19.36	732.24	14176.17	19.36	840.32	16268.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels **not exceeding 1m in depth** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(P.No.17, I.No.4.34 of PW, P&IWTD SR 2018-19	Sqm	191.92	276.48	53062.04	191.92	325.00	62373.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	KSRB 4-6.10: Providing and removing centering, shuttering, strutting, propping,, for chajjas, corbles etc., including edges including cost of all materials, labour complete as per specification.Specification No.KBS 4.6.2(P.No.17, I.No.4.37 of PW, P&IWTD SR 2018-19)	Sqm	9.84	291.6	2869.34	9.84	359.50	3537.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3(P.No.18, I.No.4.46 of PW, P&IWTD SR 2018-19)	Tonne	6.06	60534	366836.04	6.06	78985.16	478650.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 Newton per sqmm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2	Cum	49.03	7328.88	359334.99	49.03	7843.31	384557.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification	Cum	0.4	111083.4	44433.36	0.40	97503.25	39001.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 - (1:3:6 - (M10)) of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	No	4	1138.32	4553.28	4.00	1520.36	6081.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	KSRB 9-13.1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS	Sqm	8.4	3889.08	32668.27	8.40	4100.29	34442.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

14	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm, with 1.2mm thick bottom section weight 0.995 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m; and shutter 40mmx18mm, 1.25mm,thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame remormed and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium	Sqm	26.88	4209.84	113160.50	26.88	420.68	129751.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.10	Kg	564.48	84.24	47551.80	564.48	169.74	95845.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.	Sqm	30	5641.92	169257.60	30.00	5975.70	179270.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	537.46	252.72	135826.89	537.46	301.62	162110.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	KSRB15-3.14 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	265.92	238.68	63469.79	265.92	290.49	77247.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	KSRB15-3.14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3,(with lime rendering) to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	249.84	208.44	52076.65	249.84	261.56	65346.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	515.76	27	13925.52	515.76	35.62	18369.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Providing and laying flooring using prepolished, water cut/ gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using 10mm thick silver grey granite / Multy Red / Ruby Red / Black / Hassan Green Granite tiles.	Sqm	188.45	1378.08	259699.18	188.45	1358.20	293642.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (P.No. 125, I.No. 15.106 of SR 2015-16).	Sqm	515.76	60.48	31193.16	515.76	86.81	44775.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	515.76	76.68	39548.48	515.76	96.83	49941.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.	Sqm	515.76	4.32	2228.08	515.76	5.57	2870.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior apex paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge of the work.	Sqm	537.46	375.84	201998.97	537.46	488.61	263606.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler for varnish including cost of materials, labour, complete as per specifications.	Sqm	21.6	44.28	956.45	21.60	55.65	1202.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	21.6	90.72	1959.55	21.60	107.96	2331.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	21.6	51.84	1119.74	21.60	61.22	1322.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	Sqm	134.76	31.32	4220.68	134.76	45.63	6149.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	134.76	88.56	11934.35	134.76	105.74	14248.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (lenegth of mesh only be measured for payment)	M	152.4	38.88	5925.31	152.40	34.50	5258.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0179 Handles to full width 2m long	Each	6	1090.8	6544.80	6.00	1145.34	6872.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	0188 Hinges 5" heavy Duty	Each	9	39.96	359.64	9.00	41.96	377.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Providing Screws	Each	60	3.24	194.40			354.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(220 Locking arrangements	Each	4	702	2808.00	60.00	3.00	2948.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	Providing and fixing on wall surface, 40 kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.	M	24	613.44	14722.56	4.00	736.10	13676.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20 mm dia 2mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire as wherever necessary (Pg. No. 2, Item No. 1.2.1)	Rmt	50	43	2150.00	50.00	599.86	2257.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25 mm dia 2mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary. (Pg. No. 2, Item No. 1.2.2)	Rmt	50	57	2850.00	50.00	91.15	2992.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20 mm dia 2mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18 SWG GI fish wire run throught out the conduit wherever necessary 19/20mm dia 2mm thick	Rmt	50	56	2800.00	50.00	94.80	2940.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20 mm dia 25mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18 SWG GI fish wire run throught out the conduit wherever necessary 19/20mm dia 2mm thick	Rmt	50	58	2900.00	50.00	60.90	3045.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32 mm dia 2.5mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18 SWG GI fish wire run throught out the conduit wherever necessary 19/20mm dia 2mm thick	Rmt	30	88	2640.00	30.00	92.40	2772.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	Providing Horine wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification	Rmt	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	Group-A	Rmt	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	1.0 sqm	Rmt	150	13	1950.00	150.00	20.48	2047.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	1.5 Sqm	Rmt	150	18.6	2790.00	150.00	33.65	2929.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	2.55 Sqm	Rmt	100	29.2	2920.00	100.00	19.53	3066.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	4.0 Sqm	Rmt	100	42.1	4210.00	100.00	30.66	4420.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	10.0 Sqm	Rmt	20	108	2160.00	20.00	44.21	2268.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A .Long point above 6Mtr upto 10M from tapping point to out let via switch.	Each point	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Using class A Materials	Each point	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	Short point upto 3mtrs from tapping point to out let via switch	Each point	10	144	1440.00	10.00	151.20	1512.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	Medium point a above 6mtr upto 10mtr from tapping point to outlet via switch	Each point	10	215	2150.00	10.00	225.75	2257.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Long point a above 6mtr up to 10 mtr from tapping point to out let via switch	Each point	8	334	2672.00	8.00	350.70	2805.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	No	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	5-32 Amps SP MCB	No	2	849	1698.00	2.00	891.45	1782.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	5-32 Amps SP MCB	No	2	418	836.00	2.00	438.90	877.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12 way SPN	No	1	1047	1047.00	1.00	1099.35	1099.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6 Amps one way.	No	8	21	168.00	8.00	221.55	1772.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6 Amps one way. .	No	20	82	1640.00	20.00	86.10	1722.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	No	20	669	13380.00	20.00	702.45	14049.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	No	8	2500	20000.00	8.00	2625.00	21000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment)	No	8	72	576.00	8.00	75.60	604.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	Supplying and fixing of modular switch/ socket/stepped electronic fan regulator/ dimmer/ telephone socket etc on existing modular switch plate..ie 3854 and ie 1293.	No	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	6Amps SP Switch	No	5	63	315.00	5.00	66.15	330.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	6Amps 3way 5 pin socket	No	2	95	190.00	2.00	99.75	199.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	32Amps Flush/projected types DP switch	No	1	164	164.00	1.00	172.20	172.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

67	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way.	Each	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	4-5 Way	Each	4	98	392.00	4.00	102.90	411.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	6Way	Each	2	121	242.00	2.00	127.05	254.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	8Way	Each	2	140	280.00	2.00	147.00	294.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	10-12Way	Each	1	159	159.00	1.00	166.95	166.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box,1 to 3 Module.	Each	1	1	1.00	1.00	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	4Moudule	Each	4	100	400.00	4.00	105.00	420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	6Moudule	Each	2	125	250.00	2.00	131.25	262.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	8Moudule	Each	2	175	350.00	2.00	183.75	367.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	12Moudule	Each	1	230	230.00	1.00	241.50	241.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	Supplying and fixing PVC/Metal conduit accessories	Each	50	47	2350.00	50.00	49.35	2467.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	23.40	5256.36	122998.82	23.40	5678.53	132877.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	23.40	5876.28	137504.95	23.40	5908.92	138268.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after	Cum	394.20	186.92	73683.86	394.20	266.68	105124.86	1747.62	266.68	312973.71	98.55	26281.31	1254.87	144.69	181567.14	1747.62	312973.71	1353.42	207848.45
81	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	239.40	186.92	44748.65	239.40	196.27	46986.08	1242.75	196.27	195249.10	59.85	11746.76	943.50	144.69	136815.30	1242.75	195249.10	1003.35	148262.06
82	Removing B.S slab of drain and stacking	Sqm	5280.00	65.72	347001.60	5280.00	69.01	364351.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	4224.00	80.56	340285.44	4224.00	84.59	357299.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.	Sqm	1056.00	825.74	871981.44	1056.00	1015.06	1071899.14	0.00	0.00	0.00	0.00	0.00	0.00	5470.99	0.00	0.00	0.00	0.00	0.00
85	KSRRB 200-9. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2	Sqm	1760.00	9.54	16790.40	1760.00	16.70	29083.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301	Cum	662.55	148.76	98560.94	662.55	167.62	111057.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material	Cum	331.28	1665.26	551667.33	331.28	1947.75	645250.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	2208.50	5.30	11705.05	2208.50	6.68	14748.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	441.70	1768.08	780960.94	441.70	2101.34	928163.64	1065.06	2101.34	2237950.59	110.43	232050.98	512.93	2101.14	1077737.74	1065.06	2237950.59	623.36	1309788.72
90	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	5210.00	27.56	143587.60	5210.00	31.16	162364.44	5645.40	31.16	175910.66	435.40	13568.00	0.00	31.16	0.00	5645.40	175910.66	435.40	13568.00
91	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	9052.50	3.18	28786.95	9052.50	5.57	50377.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm	9052.50	12.72	115147.80	9052.50	13.36	120905.19	15874.54	13.36	212083.79	2263.12	30236.00	4558.92	13.36	6998.00	15874.54	212083.79	6822.04	91144.00
93	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	148.95	7120.02	1060526.98	148.95	6690.26	996514.82	291.27	6690.26	2097566.91	37.23	249079.00	105.09	8107.09	851975.00	291.27	2097566.91	142.32	1101054.00

KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a mech. finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr II (30 mm to 45 mm) with 6 % VG-30 Bitumen	Cum	362.10	8118.54	2939723.33	362.10	8656.91	3134668.56	634.98	8656.91	5637837.52	90.52	783624.00	182.36	9429.34	1719547.89	634.98	5637837.52	271.88	2503171.00
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	622.50	542.72	337843.20	622.50	477.48	297229.43	705.68	477.48	336948.09	83.18	39717.00	0.00	0.00	0.00	705.68	336948.09	83.18	39717.00
TOTAL				10673344.72			11712501.72			11206520.37		1386303.05			6618356.18		11206526.37		5451653.33

Abstract

As per Sanctioned Estimate Amount = Rs. 10676864.00

As per Agreement amount = Rs.11208607.00

As per actual execution = Rs. 11206520.37

Net Workslip amount = Rs=4028250.18

Net Savings amount on aggrement amount = Rs.2086.00

(4028250.00/11208607.00)*100)

35.93889945

The Final project amount of Rs.11206520.37is lesser by 35.93889945% that is Rs2086.00 compared to Sanctioned tender amount of Rs. 10676864.00 Hence there is no extra Financial implication to BBMP, kindly approve the WORKSLIP proposal

Asst Engineer
Ward No 14
BBMP

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Assistant Executive Engineer
Bagalagunte Sub Division
BBMP

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EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division, Bengaluru-73.